VII. *Some* Obſervations *of Eclipſes of* Jupiter's Satellites, *made by* Geo. Lynn, *Eſq*; *at* Southwick, *near* Oundle *in* Northamptonſhire; *Communicated in a Letter to* James Jurin, *M.D. F. R. S. and Fellow of the* Royal College *of* Phyſicians, London.

SIR,

HEARING that ſome Foreigners enquired for Obſervations of the Eclipſes of *Jupiter*'s Satellite, I have ſent what I had of that Sort: They are indeed but few theſe two laſt Years, on account of my Abſence during part of the Time for Obſervation, and alſo on account of the ſmall Arc *Jupiter* has lately made above our Horizon. The Teleſcope I made uſe of is the ſame as formerly, having a thirteen Foot Object-Glaſs, with an Aperture of two Inches and four Tenths, and an Eye-Glaſs of two Inches and an half Focus. By apparent Time, at *Southwick*, near *Oundle* in *Northamptonſhire*, Longitude Weſt from *London*, 00 Deg. 30 Min. as follows:

	Month.	D.	h.	′	″
1730. The 2d Satellite began to emerge ——	*April*	29	10	19	20
It ſeemed in a Minute after to be as bright as the 4th Satellite ——				20	20
And at full Brightneſs about ——				21	20

The

		Month.	D.	h.	′	″
$17\frac{29}{30}$.	The 4th Satellite emerged	*Jan.*	25	9	45	nearly
1730.	The 2d began to immerge	*Nov.*	28	13	17	46
	And was quite out of Sight	at			19	46
1731.	The 2d began to emerge	*March*	29	11	33	8
	And ſeem'd at full Brightneſs about				36	30
	The 1ſt Satellite began to emerge —	*April*	18	11	45	10
	And was at full Brightneſs about				46	10
	Again the 1ſt began to emerge	*May*	4	10	4	30
	Was at full Brightneſs about —				5	45
	And paſſed by the 3d Satellite	at		11	49	30
$17\frac{30}{31}$.	The 1ſt Satellite began to immerge —	*Jan.*	7	12	2	55
	And was quite out of Sight about				4	25
$17\frac{31}{32}$.	The 3d Satellite began to immerge —	*Jan.*	28	14	16	00
	Was but equal in Light to the 2d at				19	00
	Quite gone at —	—			24	00
1732.	The 2d Satellite began to emerge —	*April*	30	12	23	57
	The 1ſt Satellite began to emerge —	*May*	6	12	48	44
$17\frac{32}{33}$.	The 3d Satellite quite diſappeared —	*Febr.*	18	13	5	30
1733.	Again the 3d Satellite diſappear'd —	*April*	2	13	3	30
	But it began to fail of its Light about 5 or 6 Minutes before.					
1735.	The 2d Satellite immerged	*May*	28	10	45	00
	The 3d began to emerge	*Auguſt*	3	9	10	30

And was 4 or 5 Minutes before it came to its full Brightneſs.